

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4053540

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NEC LABORATORIES AMERICA, INC.	09/15/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NEC CORPORATION
<b>Street Address:</b>	7-1, SHIBA 5-CHOME
<b>Internal Address:</b>	MINATU-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-8001
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14073726
Application Number:	14227481
Application Number:	14168375
Application Number:	14231290
Application Number:	14479398
Application Number:	14317156
Application Number:	14513671
Application Number:	14514952
Application Number:	14251288
Application Number:	14747743
Application Number:	14667819
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(609)951-2480
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6095201555
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PATENT

<b>Address Line 4:</b> PRINCETON, NEW JERSEY 08540	
<b>ATTORNEY DOCKET NUMBER:</b>	SEPTEMBER
<b>NAME OF SUBMITTER:</b>	JILL BEHR
<b>SIGNATURE:</b>	/Jill Behr/
<b>DATE SIGNED:</b>	09/15/2016
<b>Total Attachments: 1</b> source=September2016#page1.tif	

**PATENT ASSIGNMENT**

WHEREAS, NEC Laboratories America, Inc., a New York corporation, having a place of business at 4 Independence Way, Suite 200, Princeton, New Jersey 08540, is an owner and assignee of record of the patent listed below;

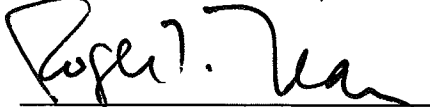
WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minatu-ku, Tokyo, Japan 108-8001 is desirous of obtaining a title to the patents listed in Table 1 below;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Laboratories America, Inc., hereby sells, assigns and transfers to NEC Corporation, its successors and assigns, its entire right, title and interest in each of the following United States patents listed below:

Docket #	Title	Serial #	Filing Date	Inventor(s)
12089	SEMANTIC DENSE 3D RECONSTRUCTION	14073726	11/6/2013	BAO ET AL.
12155	GUARDING A MONITORING SCOPE AND INTERPRETING PARTIAL CONTROL FLOW CONTEXT	14227481	3/27/2015	RHEE ET AL.
12082	METHOD AND SYSTEM FOR COMPUTER ASSISTED HOT-TRACING MECHANISM	14168375	1/30/2014	ARORA ET AL.
12099	MULTICELL BEAMFORMING SYSTEM AND METHODS FOR OFDMA SMALL-CELL NETWORKS	14231290	3/31/2014	YOON ET AL.
13046	HITLESS SERVICE IN A VARIABLE OPTICAL TRANSPONDER	14479398	9/8/2014	HU ET AL.
13024	NETWORK FOLLOWED BY COMPUTE LOAD BALANCING PROCEDURE FOR EMBEDDING CLOUD SERVICES IN SOFTWARE-DEFINED FLEXIBLE-GRID OPTICAL TRANSPORT NETWORKS	14317156	6/27/2014	PATEL ET AL.
13068	NON-BINARY LDPC CODED MODE-MULTIPLEXED FOUR-DIMENSIONAL SIGNALING BASED ON ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING	14513671	10/14/2014	DJORDJEVIC ET AL.
13069	FLEXIBLE 400G AND 1 TB/S TRANSMISSION OVER TRANSOCEANIC DISTANCE	14514952	10/15/2014	ZHANG ET AL.
12152	BUCKETIZED MULTI-INDEX LOW-MEMORY DATA STRUCTURES	14251288	4/11/2014	KRUUS ET AL.
14052	MULTINARY SIGNALING BASED CODED MODULATION FOR ULTRA-HIGH-SPEED OPTICAL TRANSPORT	14747743	6/23/2015	WANG ET AL.
13050	COMPILER OPTIMIZATION FOR MANY INTEGRATED CORE PROCESSORS	14667819	3/25/2015	FENG ET AL.

IN WITNESS WHEREOF, NEC Laboratories America, Inc. has executed this Assignment by a duly authorized person.

NEC Laboratories America, Inc.



Name: Roger Tran

Title: President

Date: September 15, 2016